



BUILDING PRODUCTS

ISOGARD™ HD Cover Board

<u>Board Size</u>	<u>Item Number</u>
4' x 4' (1.2m x 1.2m)	W8H3GG0504
4' x 8' (1.2m x 2.4m)	W8H3GG0508

DESCRIPTION:

Firestone ISOGARD™ HD Cover Board is a half-inch (12.7 mm) thick polyiso insulation designed for use as a cover board. It is a high density, closed-cell, polyisocyanurate foam core that has been manufactured with a coated glass facer. Firestone ISOGARD™ HD provides the highest thermal performance when compared to other half-inch roof cover boards.

All Firestone polyisocyanurate insulations use EPA accepted blowing agents. Firestone ISOGARD™ HD with IsoGard™ Foam Technology incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-free).

ADVANTAGES:

1. Outstanding thermal performance
2. Available in 4' x 4' (1.2 m x 1.2 m) and 4' x 8' (1.2 m x 2.4 m) panels
3. Lightweight 12 ± 2 lb per 4' x 8' panel (5.44 ± 0.907 kg per 1.2 m x 2.4 m)
4. Strong and durable enough to protect any roof system
5. Compatible with fully adhered and mechanically attached Single-Ply, Cold and Cold Adhesive Modified Bitumen systems
6. Easier to handle and cut than other cover board products
7. Superior FM Global, wind uplift performance. 1-90 requires only 12 fasteners per board*
8. 96 pieces per bundle
9. Coverage per bundle:

4' x 8' = 3072 ft ² (285.4 m ²)
4' x 4' = 1536 ft ² (142.7 m ²)

SPECIFICATION COMPLIANCE:

Manufactured in an ISO 9000 Registered Facility
FM Global Approved when applied with the fastening pattern shown
UL Classified

METHOD OF APPLICATION:

Insulation shall be neatly fitted to all roof penetrations, projections and nailers. No more insulation shall be installed than can be covered with membrane and completed before the end of each day's work or before the onset of inclement weather.

Firestone ISOGARD™ HD can be applied over existing roof surfaces and under adhered or mechanically attached Single Ply, and Modified Bitumen systems applied in Multi-Purpose MB Cold Adhesive and SA Base with a Torch Applied Cap.

DO NOT use hot asphalt with ISOGARD™ HD

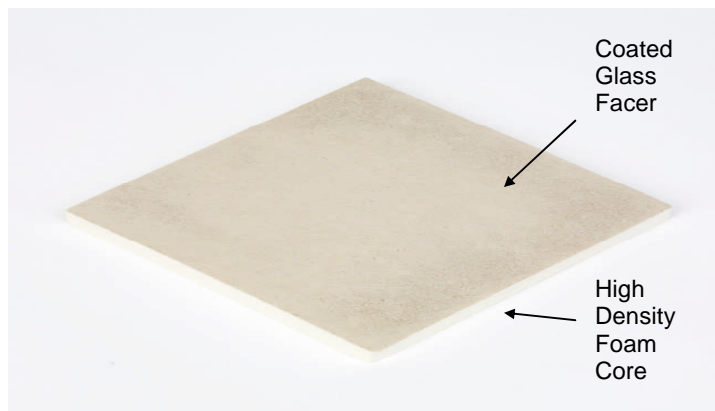
FIRESTONE ISOGARD™ HD Must Be Installed Using:

Fasteners and plates as shown below or Firestone approved insulation adhesives

Contact Firestone Roof Solutions for insulation attachment requirements or go to:

www.firestonebpco.com

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PRODUCT DATA

Thickness		<u>R-Value</u>
<u>inches</u>	<u>mm</u>	
0.5	12.7	2.5

R-Values shown are based on ASTM Test C518 or C177 at 75° F mean.

LTTR value pending

POLYISO PHYSICAL PROPERTIES

<u>Physical Property</u>	<u>ASTM Test</u>	<u>English Values</u>	<u>Metric Values</u>
Compressive strength:	D 1621	120 psi	827 kPa
Density:	D 1622	5 pcf	80 kg/m ³
Pull through resistance:	D 473 modified	210 lb	934 N
Foot traffic resistance:	Rolling Load Emulator	>6000 passes	>6000 passes
Dimensional stability:	D 2126	<0.5%	<0.5%
Water absorption:	C 209	<3%	<3%
Facer adhesion:	D 1623	20 psi	138 kPa
Resistance to mold:	D 3273	Pass	Pass
1-90 Fastener density:	FM Global	12 per 4'x8'	12 per 1.22m x 2.44m
Flute Span over metal decks:		2.625"	Pass

LEED INFORMATION:

Post Industrial Recycled Content: Average 8.3%

Manufacturing Locations:

DeForest, WI
Florence, KY

STORAGE and PRECAUTIONS

1. Keep insulation dry at all times.
2. Elevate insulation above the deck or ground.
3. Cover insulation with waterproof tarps.
4. Combustible. Refer to MSDS for more information.
5. Do not install over wet, damp or uneven substrates.
6. Do NOT mop
7. Do NOT torch



Foamed Plastic for Roofing Systems
As to an External Fire Exposure Only
61P2
See UL Directory of Products
Certified for Canada
And UL Roofing Materials
And Systems Directory
R9516

Patents Pending

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ISOGARD™ HD Cover Board

FM Global fastening pattern for 1-90 attachment of
ISODARD™HD

